

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000636

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> G02B6/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G02B6/00, B26D1/00-1/24, B26D3/00-3/30, B26D7/00-11/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Jitsuyo Shinan Toroku Koho	1996-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2003-165740 A (Sumitomo Electric Industries, Ltd.), 10 June, 2003 (10.06.03), Par. Nos. [0020] to [0057]; Figs. 1 to 7 (Family: none)	1-9, 11-21 10, 22-26
Y	JP 1-293307 A (Sumitomo Electric Industries, Ltd.), 27 November, 1989 (27.11.89), Page 3, lower left column, line 2 to page 3, lower left column, line 9; Fig. 3 (Family: none)	10

 Further documents are listed in the continuation of Box C. See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "P" document published prior to the international filing date but later than the priority date claimed
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- "&" document member of the same patent family

Date of the actual completion of the international search 06 February, 2005 (06.02.05)	Date of mailing of the international search report 22 February, 2005 (22.02.05)
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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 926518 A2 (TELEFONAKTIEBOLAGET LM ERICSSON), 18 December, 1998 (18.12.98), Par. No. [0024]; Fig. 3a & JP 11-248945 A Par. No. [0018]; Fig. 3(a) & US 6337943 B1 & SE 513049 C2	22-26
Y	JP 11-326646 A (Fujikura Ltd.), 26 November, 1999 (26.11.99), Par. No. [0014]; Fig. 1 (Family: none)	23-26